

Abstract :

Introduction : The rate of unwished pregnancy is high in our country most of which occurs in spite of using contraceptives and can be associated with abortion and several other problems for mothers, fetuses and infants. Depomedroxy progesterone acetate (DMPA) ampoule and intrauterine device (IUD) are two secure and safe devices for use after delivery and during lactation period, lactation period, to prevent such unwished pregnancies and their side effects. So we decided to conduct a comparison and discussion about the rate of renewed pregnancies with the continuous use of these methods during 24 months after delivery.

Materials and methods : the present research is a descriptive and periodical study and the statistical society was all of women who had a child birth from the beginning of farvardin to the end of Esfand, 1382, and used one of the above mentioned methods at most for 90 days after delivery. then we considered the duration of usage of the two devices for 24 months, that is, until year 1384. the completion of the related information was conducted by giving questionnaires to the women under coverage of Ardebil public health and hygiene centers. As the abundance of the women under study was less than the sample volume, sampling was not done and all 278 qualified individuals were studied.

Outcomes: most of studied mothers were within 27-36 age group. Most of them were illiterate and unemployed with 1-2 children %79.1 of whom used DMPA and %20.9 used IUD. no pregnancy happened during this period by using these two methods. The usage of DMPA continued for 1-8 months in %70.3 of them and IUD was used for 18-24 months in %70.7. there is a positive relation between the increase of age and number of children, and the amount of DMPA application in mothers. But this relation does not exist about the period that IUD is being used. Neither was there any relation between the degree of education and the kind of selected preventive method or its continuity.

KEY WORDS: intrauterine device (IUD) – depo medroxy progesterone acetate (DMPA) – duration of use – renewed pregnancy ardebil